PATENT
AM997158US2
0036.0092

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	Examiner: C. Nguyen
C.C. Alimpich et al.	)	
Parent Serial No.: 09/052,858	)	
Parent Filed: March 31, 1998	)	Art Unit: 2173
For: DATA PROCESSOR CONTROLLED INTERFACE WITH MULTIPLE TREE OF ELEMENTS VIEWS EXPANDABLE INTO INDIVIDUAL DETAIL VIEWS	)	

Assistant Commissioner of Patents
Washington, D.C. 20231

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner of Patents
Washington, D.C. 20231

Dear Sirs:

Enclosed herewith is a complete set (9 sheets) of formal drawings submitted concurrently with a Continuation Application filed in the above Parent Application, U.S. Application Serial No 09/052,858.

Respectfully submitted,

David W. Victor
Reg. No. 39,867

Dated: May 24, 2001

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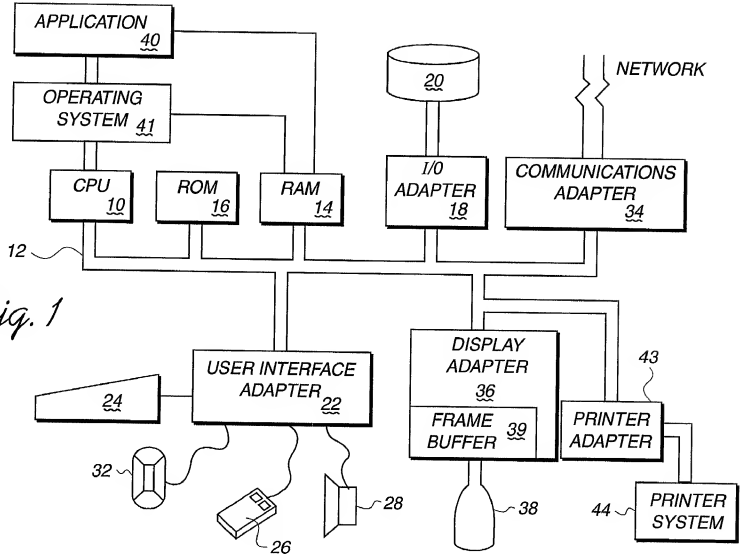
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OPERATING
SYSTEM 41
CPU
10
ROM
16
RAM
14
20
I/O
ADAPTER
18
NETWORK
COMMUNICATIONS
ADAPTER
34
12
USER INTERFACE
ADAPTER 22
24
32
26
28
DISPLAY
ADAPTER
36
FRAME
BUFFER 39
38
43
PRINTER
ADAPTER
44
PRINTER
SYSTEM

Fig. 1

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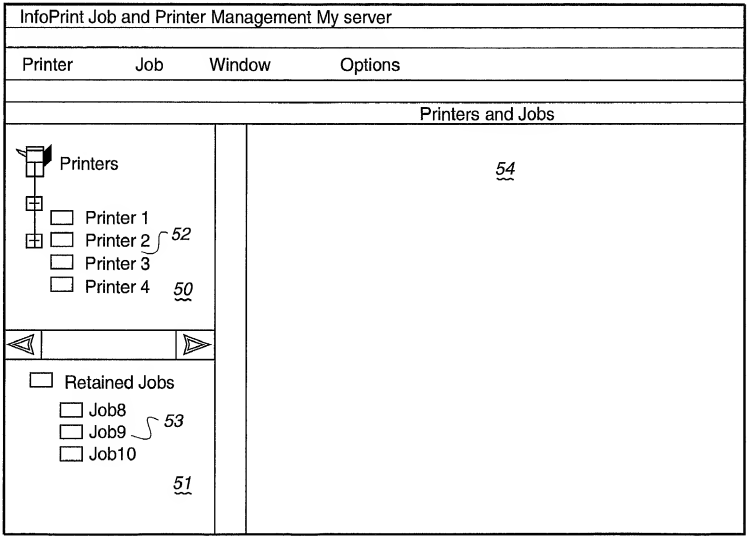
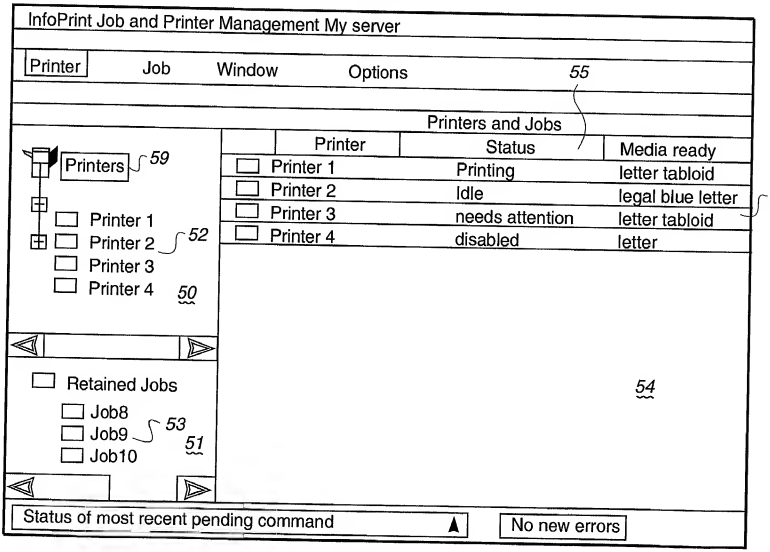


Fig. 2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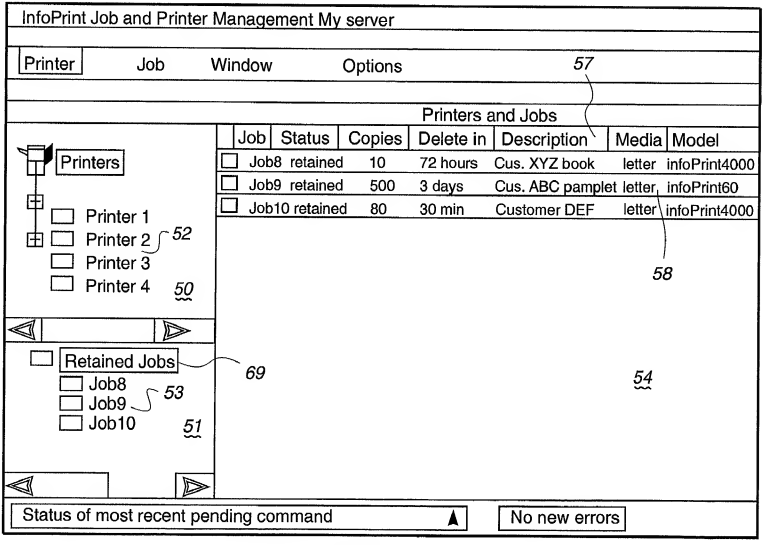
Window
Options
55
Printers and Jobs
Printers
59
Printer 1
Printer 2
52
Printer 3
Printer 4
50
Printer
Status
Media ready
Printer 1
Printing
letter tabloid
Printer 2
Idle
legal blue letter
56
Printer 3
needs attention
letter tabloid
Printer 4
disabled
letter
Retained Jobs
Job8
Job9
53
Job10
51
54
Status of most recent pending command
No new errors

Fig. 3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Printers and Jobs
Job
Status
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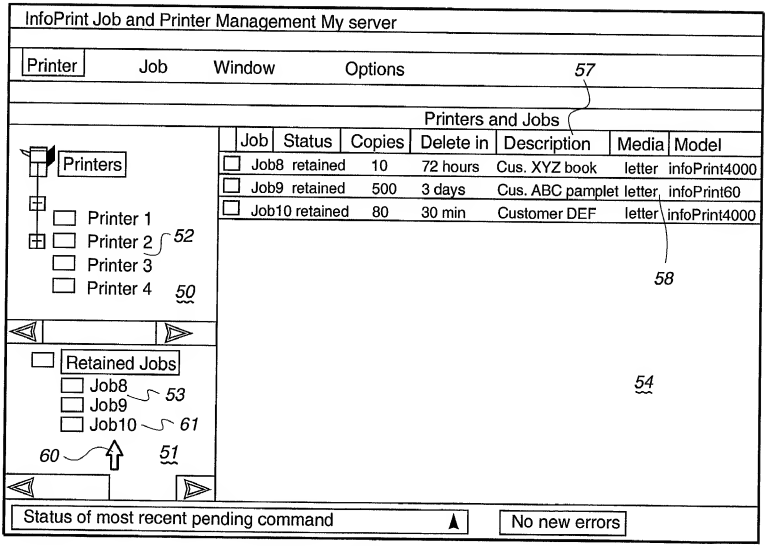
Description
Media
Model
Job8 retained 10 72 hours Cus. XYZ book letter infoPrint4000
Job9 retained 500 3 days Cus. ABC pamplet letter infoPrint60
Job10 retained 80 30 min Customer DEF letter infoPrint4000
Printers
Printer 1
Printer 2
Printer 3
Printer 4
52
50
58
Retained Jobs
69
Job8
Job9
Job10
53
51
54
Status of most recent pending command
No new errors

Fig. 4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Options
57
Printers and Jobs
Job
Status
Copies
Delete in
Description
Media
Model
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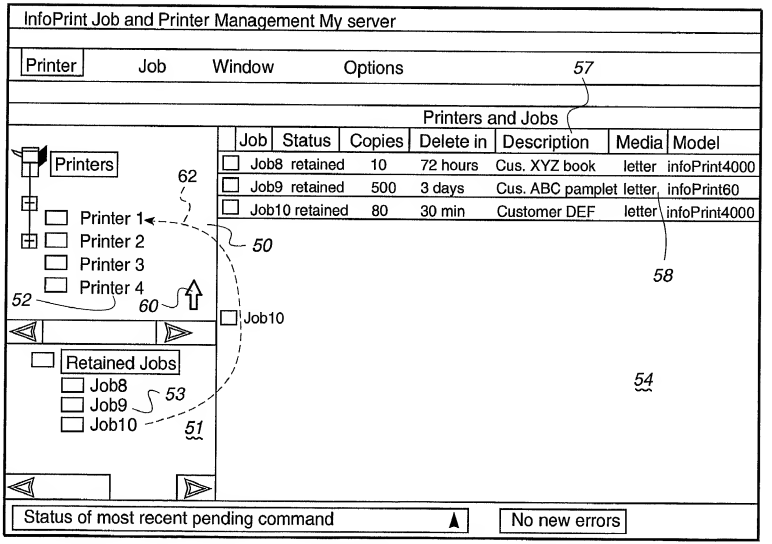
Job9 retained 500 3 days Cus. ABC pamplet letter infoPrint60
Job10 retained 80 30 min Customer DEF letter infoPrint4000
Printers
Printer 1
Printer 2
Printer 3
Printer 4
52
50
58
54
Retained Jobs
Job8
Job9
Job10
53
61
60
51
Status of most recent pending command
No new errors

Fig. 5


InfoPrint Job and Printer Management My server
Printer
Job
Window
Options
57
Printers and Jobs
Job
Status
Copies
Delete in
Description
Media
Model
Job8 retained 10 72 hours Cus. XYZ book letter infoPrint4000
Job9 retained 500 3 days Cus. ABC pamplet letter infoPrint60
Job10 retained 80 30 min Customer DEF letter infoPrint4000
Printers
62
Printer 1
Printer 2
Printer 3
Printer 4
50
52
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Job10
Retained Jobs
Job8
Job9
Job10
53
51
54
Status of most recent pending command
No new errors

Fig. 6

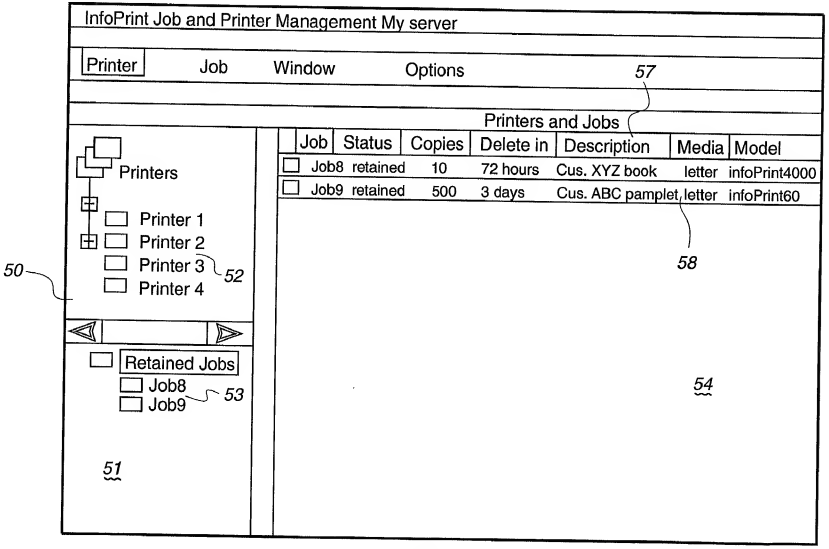
InfoPrint Job and Printer Management My server
Printer
Job
Window
Options
57
Printers and Jobs
Job
Status
Copies
Delete in
Description
Media
Model
Job8 retained 10 72 hours Cus. XYZ book letter infoPrint4000
Job9 retained 500 3 days Cus. ABC pamplet letter infoPrint60
Printers
Printer 1
Printer 2
Printer 3
Printer 4
50
52
58
Retained Jobs
Job8
Job9
53
54
51

Fig. 7

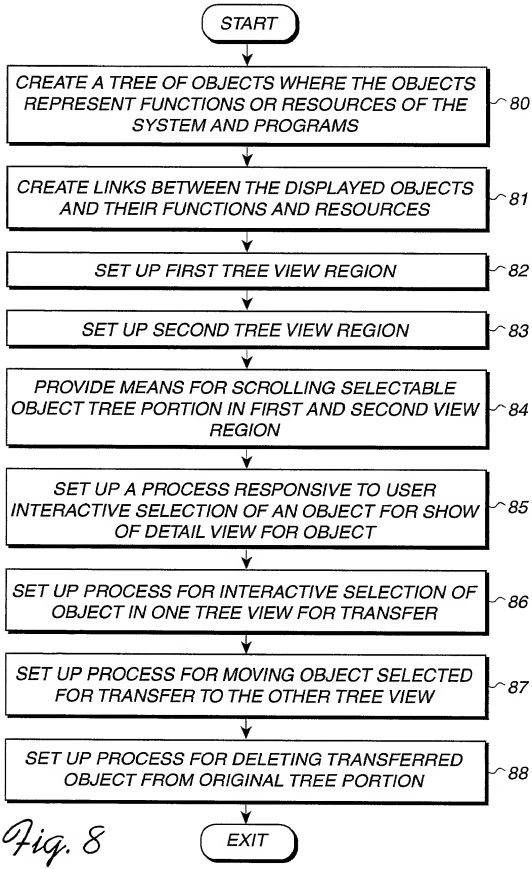
START
CREATE A TREE OF OBJECTS WHERE THE OBJECTS REPRESENT FUNCTIONS OR RESOURCES OF THE SYSTEM AND PROGRAMS
80
CREATE LINKS BETWEEN THE DISPLAYED OBJECTS AND THEIR FUNCTIONS AND RESOURCES
81
SET UP FIRST TREE VIEW REGION
82
SET UP SECOND TREE VIEW REGION
83
PROVIDE MEANS FOR SCROLLING SELECTABLE OBJECT TREE PORTION IN FIRST AND SECOND VIEW REGION
84
SET UP A PROCESS RESPONSIVE TO USER INTERACTIVE SELECTION OF AN OBJECT FOR SHOW OF DETAIL VIEW FOR OBJECT
85
SET UP PROCESS FOR INTERACTIVE SELECTION OF OBJECT IN ONE TREE VIEW FOR TRANSFER
86
SET UP PROCESS FOR MOVING OBJECT SELECTED FOR TRANSFER TO THE OTHER TREE VIEW
87
SET UP PROCESS FOR DELETING TRANSFERRED OBJECT FROM ORIGINAL TREE PORTION
88
EXIT

Fig. 8

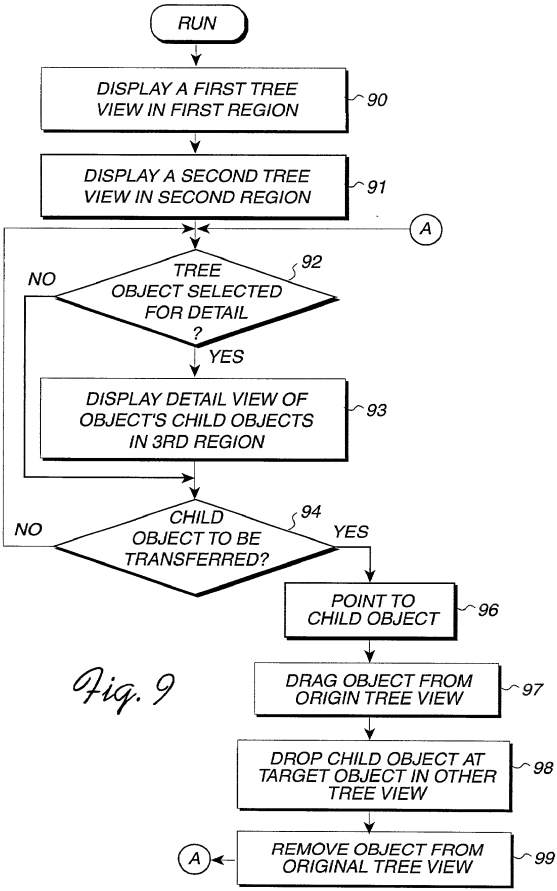
RUN
DISPLAY A FIRST TREE VIEW IN FIRST REGION
90
DISPLAY A SECOND TREE VIEW IN SECOND REGION
91
A
TREE OBJECT SELECTED FOR DETAIL ?
92
NO
YES
DISPLAY DETAIL VIEW OF OBJECT'S CHILD OBJECTS IN 3RD REGION
93
CHILD OBJECT TO BE TRANSFERRED?
94
NO
YES
POINT TO CHILD OBJECT
96
DRAG OBJECT FROM ORIGIN TREE VIEW
97
DROP CHILD OBJECT AT TARGET OBJECT IN OTHER TREE VIEW
98
A
REMOVE OBJECT FROM ORIGINAL TREE VIEW
99

Fig. 9